

Team Synergy

Project Focus: Patient distraction and communication tool for sickle cell and asthma patients

Design Idea

Kids' COW!

Problem/Observation

Children diagnosed with sickle cell and asthma requires frequent visits to the doctor's office or clinics. Many of these visits require long procedures that are boring and time consuming for the patients. Since pediatric sickle cell and asthma clinics treat patients varying in age from infants to teens, it is difficult to provide effective distractions that meet the needs of all the patients while they undergo lengthy and frequent treatments.

Design Objective

Team Synergy will create a mobile IT workstation, Kids' COW, where kids can play games, communicate with friends and family, and have fun. The workstation will have an interface that adjusts specifically to each child's profile they create on the first visit (also age, gender, preferences and etc. specific). This advanced interface provides a customizable experience based on the age and interests of the patient. All interactions will be saved on the child's account so that they can resume the fun each time they come back. Patients will be

able to update their profile as their interests change, and new options on the Kids' COW will become available. These mobile workstations will provide customizable, entertainment for sickle cell and asthma patient from the time they arrive through the end of their treatment.



Design Features

- Easy login using bar-coded cards or patient ID
- Patient Home Page (specific to individual age, gender, preferences, etc.)
- Customized Games, Family/Friend Interfaces, and Entertainment
- Save Feature to resume the fun each time you return
- Provide remote communication between family, other patients, and caregivers

Desired Outcomes

The ultimate goal of the Kids' COW is to provide repeat patients with a fun, customized experience to distract them while they receive length sickle cell or asthma treatments.

* Other Team Synergy design ideas can be found by visiting our "Design" or "Meetings" links